

CLAIMS:

I claim:

1. A method of performing additional ejection sequences in an injection mold on demand comprising the steps of:
  - a) Detecting the presence of a molded article, or portion thereof, in the injection mold
  - b) Initiating the next molding cycle if the said molded article, or portion thereof, is not detected in the said mold
  - c) Activating an ejection sequence if said molded article, or portion thereof, is detected in said mold
2. The method of detecting the presence of said molded article, or portion thereof, of Claim 1 is accomplished with a vision-system
3. The method of detecting the presence of said molded article, or portion thereof, of Claim 1 is accomplished with one or more radiation emitting and receiving sensors
4. The method of detecting the presence of said molded article, or portion thereof, of Claim 1 detects the presence of said molded article, or portion thereof, in said injection mold and portions of the mold which are not in position prior to initiating said next cycle
5. Said article, or portion thereof, of Claim 1 is the molded part
6. Said article, or portion thereof, of Claim 1 is a byproduct of molding the part
7. Said ejection sequences of Claim 1 are mechanical sequences
8. Said ejection sequences of Claim 1 are pneumatic sequences
9. Said injection mold of Claim 1 is a plastic-injection mold
10. Said injection mold of Claim 1 is a metal-injection mold
11. Said injection mold of Claim 1 is a silicon-injection mold
12. Said molded article, or portion thereof, of Claim 1 is a plastic-injection molded article, or portion thereof
13. Said molded article, or portion thereof, of Claim 1 is a metal-injection molded article, or portion thereof
14. Said molded article, or portion thereof, of Claim 1 is a silicon-injection molded article, or portion thereof